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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/482,099	01/13/2000	Kiyoshi Takei	Q57433 6543		
75	90 08/12/2002				
Sughrue Mion Macpeak & Seas 2100 Pennsylvania Avenue N W Washington, DC 20037-3202			EXAMINER		
			FLORES RUIZ, DELMA R		
			ART UNIT	PAPER NUMBER	
			2828		
			DATE MAILED: 08/12/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

			· (<i>/</i> ·				
		Application No.		Applicant(s)					
Office Action Summary		09/482,099		TAKEI ET AL.					
		Examiner		Art Unit					
		Delma R. Flores		2828					
Period fo	The MAILING DATE of this communication app or Reply	ears on the cove	r sheet with the c	orrespondence add	ress				
A SH THE - Exte after - If the - If NC - Failu - Any	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. specified above is less than thirty (30) days, a reply operiod for reply specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, how within the statutory minification will expire cause the application to	ever, may a reply be tim nimum of thirty (30) days SIX (6) MONTHS from o become ABANDONEI	ely filed s will be considered timely. the mailing date of this com O (35 U.S.C. § 133).	nmunication.				
1)⊠	Responsive to communication(s) filed on 07 A	<u>//ay 2002</u> .							
2a)	This action is FINAL . 2b)⊠ Thi	is action is non-f	inal.						
3)	Since this application is in condition for allowa closed in accordance with the practice under				merits is				
Disposit	ion of Claims	Ex parte Quayle,	1933 C.D. 11, 4	33 O.G. 213.					
4)🛛	Claim(s) 1-3 is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
5)	Claim(s) is/are allowed.								
6)⊠	S) Claim(s) <u>1-3</u> is/are rejected.								
7)	Claim(s) is/are objected to.								
-	Claim(s) are subject to restriction and/or	r election require	ment.						
	ion Papers	_							
•	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) accep		adta by the Ever	minor					
10)	Applicant may not request that any objection to the								
11)	The proposed drawing correction filed on		•	• •	•				
, _	If approved, corrected drawings are required in rep								
12)	The oath or declaration is objected to by the Exa	aminer.							
Priority (under 35 U.S.C. §§ 119 and 120								
13)⊠	Acknowledgment is made of a claim for foreign	priority under 3	5 U.S.C. § 119(a))-(d) or (f).					
a)	☑ All b)☐ Some * c)☐ None of:								
	1.	s have been rece	eived.						
	2. Certified copies of the priority documents have been received in Application No								
* 5	3.☐ Copies of the certified copies of the prior application from the International Bur See the attached detailed Office action for a list of the	reau (PCT Rule	17.2(a)).		tage				
14) 🗌 A	Acknowledgment is made of a claim for domestic	c priority under 3	5 U.S.C. § 119(e) (to a provisional a	application).				
) \square The translation of the foreign language pro Acknowledgment is made of a claim for domesti								
Attachmen	t(s)								
2) Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s)	4)		(PTO-413) Paper No(s) atent Application (PTO-					

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections. See MPEP § 2172.01. The omitted structural cooperative relationships are: One of ordinary skill in the art will not understand the apparatus since the components of the apparatus are not clearly stated at the claim as a complete structure.

Claims 1 – 3 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential elements, such omission amounting to a gap between the elements. See MPEP § 2172.01. The omitted elements are the details about the active layer and its arrangement in the apparatus.

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 – 3 are rejected under 35 U.S.C. 102(b) as being anticipated by Takiguchi el al. (5,459,747).

Regarding claim 1, Takiguchi discloses a DFB type semiconductor laser device comprising: a laser substrate (Fig. 1 Character 1), a grating laser (Fig. 1 Character 5), an insulating layer (Fig. 1 Character 12), and an electrode layer (Fig. 1 Characters 7 and 8), laminated in order, the insulating layer including at least one gap extending in a direction transverse to a grating of the grating layer so that the electrode layer contacts the grating layer and clad layer (Abstract, Column 17, lines 36 – 63, and Column 18, lines 46 - 51).

Regarding claim 2, Takiguchi discloses a DFB type semiconductor laser device comprising: a substrate comprises a waveguide layer composed of at least InGaAsP and a clad layer composed of p-InP, and the grating layer is composed of InGaAs Column 17, lines 36 – 63.

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Regarding claim 3 Takiguchi discloses a DFB type semiconductor laser device comprising: the clad layer has a thickness equal to or thinner than 0.5μm (Column 17, lines 67).

Response to Arguments

This application contains claims 4 and 5 are drawn to an invention nonelected without traverse in Paper No. 7. A complete reply to the rejection must include cancelation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

Applicant's arguments with respect to claims 1-3 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Delma R. Flores Ruiz whose telephone number is (703) 308-6238. The examiner can normally be reached on M - F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Ip can be reached on (703) 308-3098. The fax phone numbers for the

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organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-

3431.

Examiner

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Supervisor Patent Examiner

Art Unit 2828

DRFR/PI July 29, 2002